



# Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2022-04-20 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

## Ssc Cgl Tier I Previous Year Question Paper : Questions and Solutions

### Question 1 :

Select the most appropriate meaning of the given idiom. Pay heed to

Difficulty : Moderate

Average Time : 42 Seconds

### Options :

1. Repay old debts honestly
2. Give back money with interest
3. Disburse without partiality
4. Listen carefully with attention

### Solution :

The correct answer is **option 4** i.e. **Listen carefully with attention**

- The meaning of the given idiom is **to pay attention to**.

*Thus, option 4 will be the most appropriate meaning of the given idiom.*

### Question 2 :

Select the option that can be used as a one-word substitute for the given group of words. A spear used for hunting large fish

Difficulty : Moderate

Average Time : 47 Seconds

### Options :



Lance

2. Harpoon

3. Dagger

4. Sword

**Solution :**

The correct answer is **option 2** i.e. **Harpoon**

**The meaning of the given words is:**

- **Lance:** a long weapon with a wooden shaft and a pointed steel head, formerly used by a horseman in charging.
- **Harpoon:** a barbed missile resembling a spear used to catch whales and other large sea creatures.
- **Dagger:** a short knife with a pointed and edged blade, used as a weapon.
- **Sword:** a weapon with a long metal blade and a hilt with a hand guard, used for thrusting or striking.

Thus, the most appropriate one-word substitute for the given set of words is **Harpoon**.

**Question 3 :**

The following bar graph shows receipts and expenditure of a business firm over 5 years. Gain = Receipts - Expenditure. What is the percentage of increase in expenditure from 2018 to 2019 as compared to 2018?

Difficulty : Moderate

Average Time : 69 Seconds

**Options :**

1.  $6\left(\frac{1}{4}\right)\%$
2.  $2\left(\frac{1}{2}\right)\%$
3.  $6\left(\frac{2}{3}\right)\%$
4.  $8\left(\frac{1}{4}\right)\%$

**Solution :**

The correct answer is **option 3** i.e.  $6\left(\frac{2}{3}\right)\%$

Expenditure in 2018 = 75 lakhs

Expenditure in 2019 = 80 lakhs



Increase in expenditure = 5 lakhs

$$\text{Required\%} = (5/75) \times 100 = \left(\frac{2}{3}\right)\%$$

**Question 4 :**

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 8 6 76 12 10 ? 7 13 113

Difficulty : Moderate

Average Time : 45 Seconds

**Options :**

1. 117
2. 128
3. 120
4. 110

**Solution :**

The correct answer is **option 3** i.e. **120**.

The logic used here is:

**Row 1:**

$$(8 + 6) \times 5 + 6 = 14 \times 5 + 6 = 70 + 6 = 76$$

**Row 3:**

$$(7 + 13) \times 5 + 13 = 20 \times 5 + 13 = 100 + 13 = 113$$

**Row 2:**

$$(12 + 10) \times 5 + 10 = 22 \times 5 + 10 = 110 + 10 = 120$$

**Question 5 :**

Pointing towards a boy, Shalini said, "He is my daughter's father's wife's father's wife's only son". How is Shalini related to the boy?

Difficulty : Moderate

Average Time : 47 Seconds

**Options :**

1. Sister-in-law

Daughter

3. Daughter-in-law

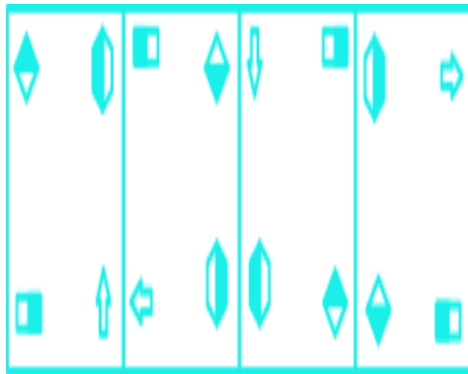
4. Sister

**Solution :**

The correct answer is **option 4** i.e. **Sister**.

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.



From the above figure, Shalini is the sister of the boy.

Hence, **option 4** is the correct answer.

**Question 6 :**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some girls are engineers. All engineers are soldiers. No doctor is a girl. Conclusions: I. No soldier is a girl. II. No girl is an engineer. III. Some soldiers are engineers.

Difficulty : Moderate

Average Time : 69 Seconds

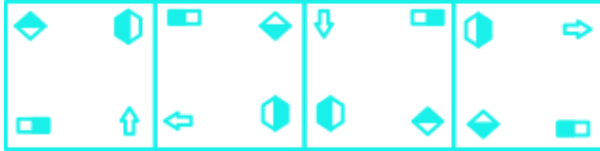
**Options :**

1. All the conclusions follow.
2. Only conclusion III follows.
3. Only conclusions I and III follow.
4. Only conclusion II follows.

**Solution :**

The correct answer is **option 2** i.e. **Only conclusion III follows.**

The least possible Venn Diagram for the given statements is drawn below:



**Conclusions:**

- I. No soldier is a girl **False** (It is possible, but no definite conclusion can be drawn).
- II. No girl is an engineer **False** (It is possible, but no definite conclusion can be drawn).
- III. Some soldiers are engineers **True** (As all engineers are soldiers, so, some soldiers are engineers.)

Hence, **Only conclusion III follows.**

**Question 7 :**

What is the average of the first six prime numbers?

**Difficulty : Moderate**

**Average Time : 69 Seconds**

**Options :**

- 1.  $9\left(\frac{1}{3}\right)$
- 2. 7
- 3. 6
- 4.  $6\left(\frac{5}{6}\right)$

**Solution :**

The correct answer is **option 4** i.e.  $6\left(\frac{5}{6}\right)$

**Explanation:**

First 6 prime numbers are 2, 3, 5, 7, 11, 13

$$\text{Mean} = \frac{2 + 3 + 5 + 7 + 11 + 13}{6} = \frac{41}{6} = 6\left(\frac{5}{6}\right)$$

Hence the required average is  $6\left(\frac{5}{6}\right)$ .

**Question 8 :**

The simple interest on a sum of money at 10% per annum for 4 years is Rs3200. What will be the amount (in Rs) of the



same sum for the same period at the same rate of interest when the interest is compounded annually?

**Difficulty : Moderate**

**Average Time : 50 Seconds**

**Options :**

1. 11,712.80
2. 11,217.80
3. 11,127.80
4. 11,172.80

**Solution :**

The correct answer is **option 1** i.e. **11,712.80**

Let the sum be P

$$3200 = (P \times 4 \times 10) / 100$$

$$P = 3200 \times (10/4)$$

$$P = 8000$$

Now,

$$A = 8000(1 + 10/100)^4$$

$$A = 8000(1 + 1/10)^4$$

$$A = 8000(11/10)^4$$

$$A = 8000(14641/10000)$$

$$A = 11712.80$$

**Question 9 :**

IN  $\hat{\angle} PQR$ ,  $Q = 66^\circ$  and  $R = 34^\circ$ . T is a point on QR, and S is a point between Q and T such that  $PS \perp QR$  and PT is the bisector of  $\angle PQR$ . What is the measure of  $\angle SPT$ ?

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

1.  $12^\circ$

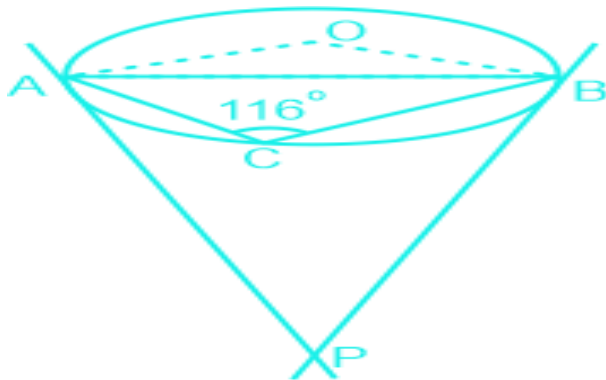
20°

3. 16°

4. 18°

**Solution :**

The correct answer is **option 3** i.e. 16°



$$\angle QPR = 180 - 66 = 34^\circ$$

$$\angle QPT = \angle TPR = 40^\circ$$

In triangle PTR,

$$\angle PTR + \angle PRT + \angle TPR = 180^\circ$$

$$\angle PTR = 106^\circ$$

Now,

$$\angle PTS + \angle PTR = 180^\circ$$

$$\angle PTS = 74^\circ$$

$$\text{So, } \angle SPT = 180 - 90 = 74^\circ$$

$$\angle SPT = 16^\circ$$

**Question 10 :**

A, B and C divide an amount of Rs 10,500 amongst themselves in the ratio 5 : 7 : 9, respectively. If each one gets Rs 500 more, then what will be the ratio of the amounts with A, B and C?



Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 5 : 7 : 9
2. 5 : 6 : 7
3. 3 : 4 : 5
4. 7 : 9 : 11

Solution :

The correct answer is **option 3** i.e. **3 : 4 : 5**

Share of A =  $10500 \times \frac{5}{21} = 2500$

Share of B =  $10500 \times \frac{7}{21} = 3500$

Share of C =  $10500 \times \frac{9}{21} = 4500$

If each gets Rs. 500 more then the amount got by A, B and C = 3000, 4000 and 5000.

Ratios of new share = 3000 : 4000 : 5000 or 3 : 4 : 5.

Question 11 :

The total surface area of a right pyramid, with base as a square of side 8cm, is  $208\text{cm}^2$ . What is the slant height (in cm) of the pyramid?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 7
2. 10
3. 9
4. 8

Solution :

The correct answer is **option 3** i.e. **9**

Total surface area = Lateral surface area + Area of the base





$$208 = \text{L.S.A.} + 8^2$$

$$208 - 64 = \text{L.S.A.}$$

$$144 = \text{L.S.A.}$$

Again,

$$\text{L.S.A.} = \frac{1}{2} \times \text{perimeter of base} \times \text{slant height}$$

$$144 = \frac{1}{2} \times 4 \times 8 \times \text{slant height}$$

$$9 = \text{slant height}$$

**Question 12 :**

If  $\tan^2 A - 6 \tan A + 9 = 0$ ,  $0 < A < 90^\circ$ , what is the value of  $6 \cot A + 8\sqrt{10}\cos A$ ?

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1.  $8\sqrt{10}$
2.  $10\sqrt{10}$
3. 14
4. 10

**Solution :**

The correct answer is **option 4** i.e. **10**

$$\tan^2 A - 6 \tan A + 9 = 0$$

$$(\tan A - 3)^2 = 0$$

$$(\tan A - 3) = 0$$

$$\tan A = 3$$

So,  $P/B = 3/1$

Now,

$$H^2 = 3^2 + 1^2$$

$$H^2 = 9 + 1$$

$$H^2 = 10$$

$$H = (10)^{\frac{1}{2}}$$

$$\text{So, } \cos A = 1/(10)^{\frac{1}{2}}$$

Now,

$$6 \cot A + 8 (10)^{\frac{1}{2}} \cot A = 6 \times (1/3) + 8 (10)^{\frac{1}{2}} \times (1/10)$$

$$2 + 8$$

$$10$$

**Question 13 :**

The value of  $25 \div 10 - ((\frac{7}{4}) \times (\frac{1}{3}))$  of  $(\frac{6}{5}) + (\frac{14}{3}) \times (\frac{9}{10}) + ((\frac{1}{5}) \div (\frac{1}{25}))$  is:

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. 7
2. 15
3. 9
4. 11

**Solution :**

The correct answer is **option 4** i.e. 11

**Explanation:**

From the given question,

$$25 \div 10 - (\frac{7}{4}) \times (\frac{1}{3}) \text{ of } (\frac{6}{5}) + (\frac{14}{3}) \times (\frac{9}{10}) + ((\frac{1}{5}) \div (\frac{1}{25}))$$

$$\{2.5 - \frac{7}{12}\} \times \{6/5 + \{21/5\} + 5\}$$

$$\{2.5 - \frac{7}{10}\} + \{21/5\} + 5$$

Taking the LCM of the denominator,

$$\{((25 - 7 + 42 + 50)/10)\}$$

$$\{(110/10)\} = 11$$

Hence the value of  $25 \div 10 - ((\frac{7}{4}) \times (\frac{1}{3}))$  of  $(\frac{6}{5}) + (\frac{14}{3}) \times (\frac{9}{10}) + ((\frac{1}{5}) \div (\frac{1}{25}))$  is 11



$\left(\frac{1}{25}\right)$  is 11.

**Question 14 :**

In triangle ABC, X and Y are the points on sides AB and AC, respectively, such that XY is parallel to BC. If  $XY : BC = 2.5 : 7$ , what is the ratio of the area of the trapezium BCYX to that of the  $\triangle AXY$ ?

Difficulty : Moderate

Average Time : 78 Seconds

**Options :**

1.  $\left(\frac{25}{171}\right)$
2.  $\left(\frac{25}{196}\right)$
3.  $\left(\frac{171}{25}\right)$
4.  $\left(\frac{196}{25}\right)$

**Solution :**

The correct answer is **option 3** i.e.  $\left(\frac{171}{25}\right)$

Here,  $XY : BC = 2.5 : 7$

As it is given that  $XY \parallel BC$

So,  $\triangle AXY \sim \triangle ABC$

$(\text{Area of } \triangle AXY) / (\text{Area of } \triangle ABC) = (XY/BC)^2 = (2.5/7)^2 = 6.25/49$

Now, Area of  $\triangle AXY = 6.25$

So area of trapezium BCYX =  $49 - 6.25 = 42.75 = 171/25$

**Question 15 :**

If  $\tan B = \left(\frac{5}{3}\right)$ , what is the value of  $(\cos \sec B + \sin B)(\cos B - \sec B)$ ?

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1.  $-\left(\frac{177}{125}\right)$
2.  $\left(\frac{177}{125}\right)$
3.  $\left(\frac{59}{15}\right)$



$$-\left(\frac{59}{15}\right)$$

**Solution :**

The correct answer is **option 1** i.e.  $-\left(\frac{177}{125}\right)$

$$\tan B = 5/3$$

$$P/B = 5/3$$

$$\text{Now, } H^2 = 5^2 + 3^2$$

$$H = (34)^{1/2}$$

$$\text{Now, } \left(\frac{\operatorname{cosec} B + \sin B}{\cos B - \sec B}\right) = (34)^{1/2}/5 + 5/(34)^{1/2} / 3/(34)^{1/2} - (34)^{1/2}/3 = -177/25$$

**Question 16 :**

The least number which should be added to 3627 so that the sum is exactly divisible by 4, 5, 6 and 8 is:

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. 72

2. 27

3. 93

4. 39

**Solution :**

The correct answer is **option 3** i.e. **93**

LCM of 4, 5, 6 and 8 is 120

Now, by dividing 120 from 3627 we get 27 as the remainder.

So, required number which should be added to the next multiple of 120

$$= 120 - 27 = 93$$

**Question 17 :**

The given histogram shows the heights of 232 students of an athletic club and their numbers. Study the histogram carefully and answer the questions that follows. If the histogram is to be presented by a line diagram, what would be the starting point and the end point of the line diagram?



**Difficulty : Moderate**

**Average Time : 49 Seconds**

**Options :**

1. (117.5,20) and (172.5,20)
2. (117.5,0) and (172.5,0)
3. (122.5,0) and (167.5,0)
4. (122.5,20) and (167.5,20)

**Solution :**

The correct answer is **option 2** i.e. **(117.5,0) and (172.5,0)**

Class size = Upper limit - Lower limit

Class size =  $125 - 120 = 25$

Therefore, mid - point of a class =  $5/2 = 2.5$

So, starting point,

X - coordinate =  $120 - 2.5 = 117.5$

Y - coordinate = frequency of point = 0

Starting point = (117.5, 0)

End point of line graph,

X - coordinate =  $170 + 2.5 = 172.5$

Y - coordinate = frequency of point = 0

Therefore, end point = (172.5, 0)

Required points are (117.5, 0) and (172.5, 0)

**Question 18 :**

A and B are two points on the same side of a ground, 50 metres apart. The angles of elevation of these points to the top of a tree are  $60^\circ$  and  $30^\circ$ , respectively. What is 40% of the height of the tree (in m)?

**Difficulty : Moderate**

**Average Time : 61 Seconds**

**Options :**

1.  $25\sqrt{3}$
2.  $15\sqrt{3}$
3.  $10\sqrt{3}$
4.  $5\sqrt{3}$

**Solution :**

The correct answer is **option 3** i.e.  $10\sqrt{3}$

Let the height of the tree be H and the distance between the foot of the tree to the point A be x

Now,

$$H/x = \tan 60 = (\sqrt{3})^2$$

$$H/x = (\sqrt{3})^2 x$$

Again,

$$H/(x + 50) = \tan 30$$

$$H/(x + 50) = 1/(\sqrt{3})^2$$

$$H = (x + 50)/(\sqrt{3})^2$$

Now,

$$(\sqrt{3})^2 = (x + 50)/(\sqrt{3})^2$$

$$3x = x + 50$$

$$2x = 50$$

$$x = 25$$

Now,

$$H/25 = (\sqrt{3})^2$$

$$H = 25(\sqrt{3})^2$$

Now,

$$40\% \text{ of the height of the tree} = 25(\sqrt{3})^2 \times 40\% = 10(\sqrt{3})^2$$

**Question 19 :**



Study the given graph and answer the question that follows. The bar graph shows the exports of cars of Type A and B (in millions) from 2014 to 2018. In which year were the exports of cars of type B Rs 20 millions less than the average exports (per year) of cars of type A over the five years?

**Difficulty : Moderate**

**Average Time : 83 Seconds**

**Options :**

1. 2016
2. 2014
3. 2015
4. 2017

**Solution :**

The correct answer is **option 1** i.e. **2016**

Average exports of car of type A =  $200 + 150 + 275 + 175 + 300 / 5 = 220$  millions

The exports of car B in year 2016 = 200 millions

$220 - 20 = 200$  millions.

**Question 20 :**

If the number  $48k2048p6$  is divisible by 99, then  $(k \times p)$  is equal to:

**Difficulty : Moderate**

**Average Time : 38 Seconds**

**Options :**

1. 6
2. 2
3. 4
4. 0

**Solution :**

The correct answer is **option 4** i.e. **0**

$99 = 9 \times 11$

So the number should be divisible by both 9 and 11



Now,

$$4 + 8 + k + 2 + 0 + 4 + 8 + p + 6 = 32 + k + p$$

Now,

Possible values of  $k + p = 4, 13$

Again,

$$(4 + k + 0 + 8 + 6) - (8 + 2 + 4 + p) = 0 \text{ or multiple of } 11$$

$$4 + k - p = 0 \text{ or multiple of } 11$$

Now,

$k - p$  can be  $-4$  or  $7$

Now,

For  $k + p = 4$  and  $k - p = -4$

We can say by adding both  $2k = 0$

$$k = 0$$

So,  $p = 4$  (Both possible)

Again,

For  $k + p = 4$  and  $k - p = 7$

We can say by adding both  $2k = 11$

$$k = 5.5 \text{ (Not possible)}$$

Again,

For  $k + p = 13$  and  $k - p = -4$

We can say by adding both  $2k = 9$

$$k = 4.5 \text{ (Not possible)}$$

Again,

$k + p = 13$  and  $k - p = 7$

We can say by adding both  $2k = 20$

$$k = 10 \text{ (not possible)}$$





So the only possible value of k and p is 0 and 4

Now  $k \times p = 0 \times 4 = 0$

**Question 21 :**

If  $(\sqrt{x}) - \frac{1}{\sqrt{x}} = \sqrt{5}$ ,  $x > 0$ , then what is the value of

**Difficulty : Moderate**

**Average Time : 85 Seconds**

**Options :**

1. 48
2. 46
3. 42
4. 44

**Solution :**

The correct answer is **option 2** i.e. **46**

$\frac{(x^4 + \frac{1}{x^2})}{(x^2 + 1)}$  Dividing numerator and denominator by  $x$ , we

$$(x^3 + 1/x^3)/(x + 1/x)$$

$$\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{5}$$

Squaring both sides, we get

$$x + 1/x - 2 = 5 \quad x + 1/x = 7$$

Cubing both the sides

$$[x + 1/x]^3 = 7^3$$

$$x^3 + 1/x^3 + 3 \times 7 = 343$$

$$x^3 + 1/x^3 = 343 - 21 = 322$$

$$(x^3 + 1/x^3)/(x + 1/x) = 322/7 = 46$$

**Question 22 :**

A shopkeeper offers a discount of 18% on a machine and sells it for Rs 48380. If he does not offer the discount, he will get a profit of 18%. What is the cost price (in Rs) of the machine?

**Difficulty : Moderate****Average Time : 75 Seconds****Options :**

1. 50,000
2. 48,500
3. 59,000
4. 55,000

**Solution :**

The correct answer is **option 1** i.e. **50,000**

Without the discount selling price would be  $48380 \times (100/82) = \text{Rs. } 59000$

According to the question,

$$\text{Cost price} \times (118/100) = 59000$$

$$\text{Cost price} = 59000 \times (100/118)$$

$$\text{Cost price} = 50,000$$

**Question 23 :**

P and Q completed a work together and were paid Rs 1080 and Rs 1440, respectively. If P can do the entire work in 20 days, how many days did they take to complete the work together?

**Difficulty : Moderate****Average Time : 44 Seconds****Options :**

1.  $6\left(\frac{3}{7}\right)$
2.  $8\left(\frac{4}{7}\right)$
3.  $8\left(\frac{3}{7}\right)$
4.  $6\left(\frac{4}{7}\right)$

**Solution :**

The correct answer is **option 2** i.e.  $8\left(\frac{4}{7}\right)$

Efficiency is directly proportional to the amount of money paid.

Ratio of amount paid to Pand Q =  $1080/1440 = 3 : 4$

Now, total work =  $20 \times 3 = 60$  units

So, time taken by both of them to complete the work =  $60/7 = \frac{60}{7}$  days.

**Question 24 :**

If  $6(\sqrt{6p^3}) + 2(\sqrt{2q^3}) = (\sqrt{6p} + \sqrt{2q})(S^2 + M^2 - N^2)$ , then the positive value of  $(\sqrt{S^2 + M^2 + 2N^2})$  is:

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. 8
2. 10
3. 9
4. 12

**Solution :**

The correct answer is **option 1** i.e. **8**

$$6(6)^{\frac{1}{2}} p^3 + 2(2)^{\frac{1}{2}} q^3 = ((6)^{\frac{1}{2}} p + (2)^{\frac{1}{2}} q) [(6)^{\frac{1}{2}} p^2 + ((2)^{\frac{1}{2}} q)^2 - (6)^{\frac{1}{2}} \times (2)^{\frac{1}{2}} pq]$$

So,  $S = 6$

$M = 12$

$N = (12)^{\frac{1}{2}}$

$$\text{Now, } (S^2 + M^2 + 2N^2)^{\frac{1}{2}} = 6^2 + 2^2 + 2 \times [(12)^{\frac{1}{2}}]^2$$

$$[36 + 4 + 2 \times 12]^{\frac{1}{2}}$$

$$(64)^{\frac{1}{2}} = 8.$$

**Question 25 :**

The following sentence has been divided into parts. One of them may contain a grammatical error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. Mrs. Verma refused / the second helping / of ice cream.

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**



the second helping

2. of ice cream

3. Mrs. Verma refused

4. No error

**Solution :**

The correct answer is **option 4** i.e. **No error**.

- There is no error in the given sentence.
- "helping of" means 'the amount of it that you get in a single serving.'

**The correct sentence is:**

*Mrs. Verma refused the second helping of ice cream.*

**Question 26 :**

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. TMDS, PHXL, LCRE, HXLX, ?, ZNZJ

**Difficulty : Moderate**

**Average Time : 50 Seconds**

**Options :**

1. DSFQ
2. DSFR
3. DRGQ
4. ESFQ

**Solution :**

The correct answer is **option 1** i.e. **DSFQ**.

Given series: TMDS, PHXL, LCRE, HXLX, ?, ZNZJ

The series follows this pattern:

TMDS, PHXL

T - 4 = P

M - 5 = H

$$D - 6 = X$$

$$S - 7 = L$$

Similarly;

$$HXLX, ?$$

$$H - 4 = D$$

$$X - 5 = S$$

$$L - 6 = F$$

$$X - 7 = Q$$

So, the next term in the series is **DSFQ**.

**Question 27 :**

In a coaching institute, the number of students in class 10 is  $\frac{1}{3}$  more than the number of students in class 12. If the total number of students in class 10 and class 12 in the institute is 112, find the number of students in class 10 in that institute.

**Difficulty : Moderate**

**Average Time : 61 Seconds**

**Options :**

1. 48
2. 70
3. 64
4. 52

**Solution :**

The correct answer is **option 3** i.e. **64**

The number of students in class 10 is  $\frac{1}{3}$  more than the number of students in class 12.

So, let the number of students in Class 12th =  $3x$

The number of students in Class 10th =  $4x$

Total number of students in classes 10th and 12th = 112

$$3x + 4x = 112$$

$$7x = 112$$



$$x = 16$$

Therefore, the number of students in class 10th =  $4x = 4 \times 16 = 64$ .

Hence, the correct answer is **64**.

**Question 28 :**

390625 is at which position in the series 5, 25, 125, 625, \_\_\_\_\_?

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. 8th
2. 7th
3. 9th
4. 10th

**Solution :**

The correct answer is **option 1** i.e. **8th**

5, 25, 125, 625, \_\_\_\_\_

$$1\text{st position} = 5^1 = 5$$

$$2\text{nd position} = 5^2 = 25$$

$$3\text{rd position} = 5^3 = 125$$

$$4\text{th position} = 5^4 = 625$$

$$5\text{th position} = 5^5 = 3125$$

$$6\text{th position} = 5^6 = 15625$$

$$7\text{th position} = 5^7 = 78125$$

$$8\text{th position} = 5^8 = 390625$$

Therefore at the 8th position, we will get the number 390625 in the series.

Hence, the correct answer is **8th**.

**Question 29 :**

Select the option that is related to the third letter cluster in the same way as the second letter-cluster is related to the first letter-cluster. FPD: UKI:: LWP:?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. ODT
2. PUX
3. PHV
4. ODU

Solution :

The correct answer is **option 4** i.e. **ODU**.

The logic used here is:

FPD: UKI

Opposite of F = U

Opposite of P = K

D + 5 = I

Similarly,

LWP:?

Opposite of L = O

Opposite of W = D

P + 5 = U

Hence, **option 4** is the correct answer.

Question 30 :

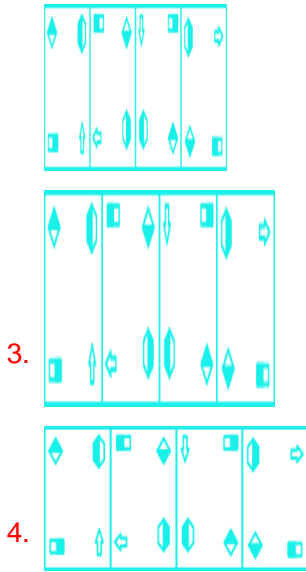
Select the Venn diagram that best represents the relationship between the following. Planet, Sun, Moon

Difficulty : Moderate

Average Time : 48 Seconds

Options :

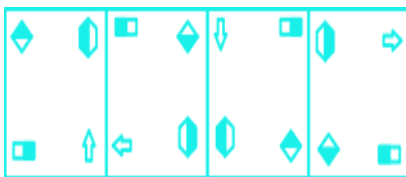
- 1.



**Solution :**

The correct answer is **option 2**

The possible Venn diagram is:



The planet, Sun, and Moon are three different classes.

Hence, the diagram given above shows the best relationship between them.

**Question 31 :**

In a certain code language, 'MOST' is written as '134', and 'FUR' is written as '90'. How will 'SUCCESS' be written in that language?

**Difficulty :** Moderate

**Average Time :** 72 Seconds

**Options :**

- 1. 89
- 2. 175
- 3. 215





178

**Solution :**

The correct answer is **option 4** i.e. **178**.

The logic used here is:

'MOST' is written as '134', and 'FUR' is written as '90'

$$\text{MOST} = 13 + 15 + 19 + 20 = 67 \times 2 = 134$$

$$\text{FUR} = 6 + 21 + 18 = 45 \times 2 = 90$$

Similarly;

Code for the word SUCCESS:

$$\text{SUCCESS} = 19 + 21 + 3 + 3 + 5 + 19 + 19 = 89 \times 2 = 178$$

Hence, **option 4** is the correct answer.

**Question 32 :**

Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the given equation.  $84 * 42 * 7 * 5 * 21 * 93$

Difficulty : Moderate

Average Time : 48 Seconds

**Options :**

1.  $+, \div, \times, , =$

2.  $\times, \div, +, , =$

3.  $+, \div, , \times, =$

4.  $\div, +, \times, , =$

**Solution :**

The correct answer is **option 1** i.e.  $+, \div, \times, , =$ .

**Given equation:**  $84 * 42 * 7 * 5 * 21 * 93$

**Option 1:**  $+, \div, \times, , =$

After interchanging the expression becomes:

$$= 84 + 42 \div 7 \times 5 - 21 = 93$$



= 93 is equal to 93.

Hence, **option 1** is the correct answer.

**Question 33 :**

If Raman drives his bike at a speed of 24km/h, he reaches his office 5 minutes late. If he drives at a speed of 30 km/h, he reaches his office 4 minutes early. How much time (in minutes) will he take to reach his office at a speed of 27 km/h?

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. 50
2. 45
3. 55
4. 40

**Solution :**

The correct answer is **option 4** i.e. **40**

**Explanation:**

Let the total distance be  $x$  km

Now, according to the question,

$$(x/24) - (x/30) = 9 \text{ minutes}$$

$$[(5x - 4x)/120] = 9/60$$

$$[x/120] = 3/20$$

$$x = 18$$

So, total distance = 18 km

Now, if he travels at a speed of 27 km/hr then time taken =  $18/27$

$2/3$  or 40 minutes.

Hence he take 40 minutes to reach his office.

**Question 34 :**

Zainab is standing facing a particular direction initially. Then she turns  $90^\circ$  clockwise, and after that, she turns  $180^\circ$  anticlockwise. Then she turns  $135^\circ$  anticlockwise. She turns  $180^\circ$  clockwise. Now she is facing the northeast direction. In

which direction was Zainab facing initially before taking any turns?

**Difficulty : Moderate**

**Average Time : 60 Seconds**

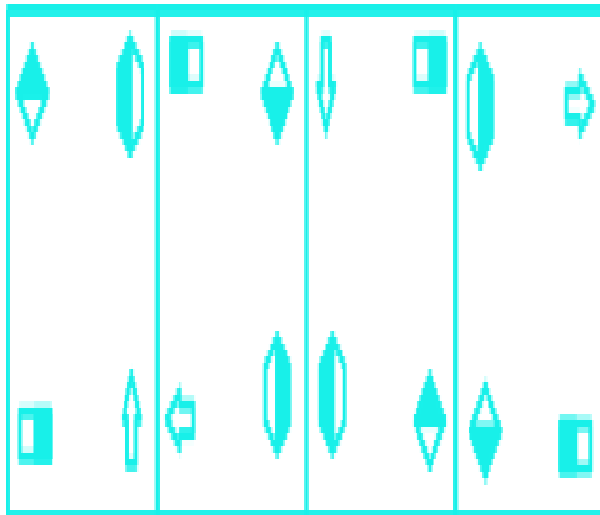
**Options :**

1. East
2. North-West
3. West
4. South

**Solution :**

The correct answer is **option 1** i.e. **East**.

Using the above information we can draw the following diagram:



From the figure, Zainab was facing east initially before taking any turns.

Hence, **option 1** is the correct answer.

**Question 35 :**

Four different positions of the same dice are shown. the six faces which are numbered from 1 to 6. Select the number that will be on the face opposite to the face having the number `5'.

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

2

2. 3

3. 6

4. 1

**Solution :**

The correct answer is **option 3** i.e. **6**

In the first and fourth dice, 1 and 4 are common. So, the rest of the faces are opposite to each other.

So, 6 is opposite to 5.

Hence, **option 3** is the correct answer.

**Question 36 :**

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. T \_ X T U \_ \_ U X T \_ X

**Difficulty : Moderate****Average Time : 44 Seconds****Options :**

1. U X T U

2. T X X U

3. T U U X

4. X T U X

**Solution :**

The correct answer is **option 1** i.e. **U X T U**.

The sequence is – U X T U

Given sequence: T \_ X T U \_ \_ U X T \_ X

**Option 1:** U X T U

T U X / T U X / T U X / T U X

Option 1 forms a particular pattern so, there is no need for checking further options.

Hence, **option 1** is the correct answer.

**Question 37 :**

Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

Difficulty : Moderate

Average Time : 58 Seconds

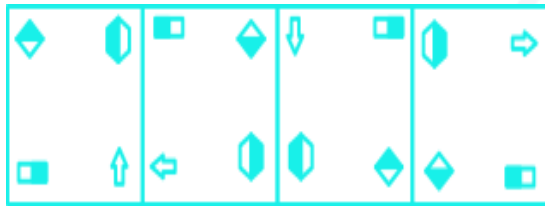
Options :

- 1.
- 2.
- 3.
- 4.

Solution :

The correct answer is **option 4**

The mirror image of the question figure is shown below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image.

Hence, **option 4** is the correct answer.

**Question 38 :**

If 'white' is called 'bird', 'bird' is called 'mercury', 'mercury' is called 'curd', 'curd' is called 'detergent' and 'detergent' is called 'white', then which of the following is used in 'thermometers'?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. detergent
2. curd
3. mercury

white

**Solution :**

The correct answer is **option 2** i.e. **curd**

The logic used here is:

'white' is called 'bird', 'bird' is called 'mercury', 'mercury' is called 'curd', 'curd' is called 'detergent' and 'detergent' is called 'white'

In 'thermometers' mercury is used, and mercury is called curd. So, thermometers use curd.

Hence, **option 2** is the correct answer.

**Question 39 :**

Eight friends, P, Q, R, S, T, U, V, and W, are sitting clockwise in the same order around a circular table at equal distances between them, facing the centre of the table. If S is sitting in the west, then who is sitting in the southwest direction?

Difficulty : Moderate

Average Time : 56 Seconds

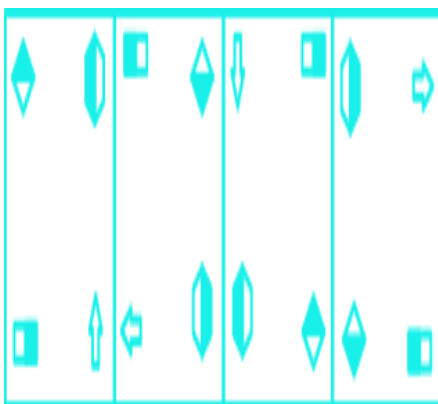
**Options :**

1. P
2. R
3. V
4. T

**Solution :**

The correct answer is **option 2** i.e. **R**.

According to the question, the arrangement is as follows:



From the above arrangement, R is sitting in the southwest direction.

Hence, **option 2** is the correct answer.

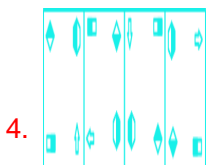
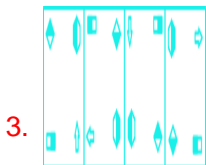
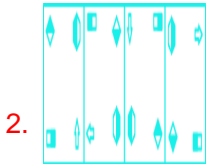
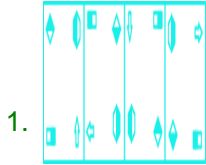
### Question 40 :

Select the option in which the given figure is embedded (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 47 Seconds

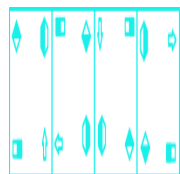
### Options :



### Solution :

The correct answer is **option 1**

The given figure is embedded in option 1, as shown below:



### Question 41 :

The \_\_\_\_\_ lies above the mesopause and is a region in which temperatures increase with height.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. stratosphere
2. exosphere
3. thermosphere
4. troposphere

Solution :

The correct answer is **option 3** i.e. **thermosphere**

- The **thermosphere** lies above the mesopause and is a region in which temperatures increase with height. The temperature increase is caused due to the absorption of energetic ultraviolet and X-ray radiation from the sun. Temperatures in the upper thermosphere can range from about 500° C to 2,000° C or higher. The aurora, the Northern and Southern Lights, occur in the thermosphere.

Question 42 :

The sequence of folding a paper and the manner in which the folded paper has been cut is shown in the following figure, How would this paper look when unfolded?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

- 1.
- 2.
- 3.

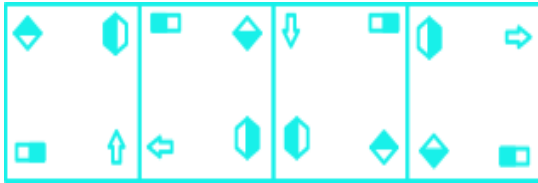




**Solution :**

The correct answer is **option 2**

After unfolding, the paper will appear as follows:



**Question 43 :**

Select the number from among the given options that can replace the question mark (?) in the following series. 32, 34, 43, 71, 136,?

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

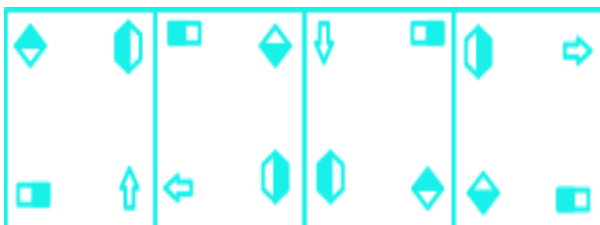
- 1. 262
- 2. 149
- 3. 188
- 4. 277

**Solution :**

The correct answer is **option 1** i.e. **262**.

Given series: 32, 34, 43, 71, 136,?

The series follows this pattern:





So, the next term in the series is **262**.

**Question 44 :**

In a certain code language, 'NAILS' is written as 'PYGNU', and 'TEXT' is written as 'VCZV'. How will 'FOREST' be written in that language?

**Difficulty : Moderate****Average Time : 49 Seconds****Options :**

1. **HMTCUV**
2. **HQTGUV**
3. **DMPCUU**
4. **HMNUCV**

**Solution :**

The correct answer is **option 1** i.e. **HMTCUV**.

The logic used here is:

'NAILS' is written as 'PYGNU'

$$N + 2 = P$$

$$A - 2 = Y$$

$$I - 2 = G$$

$$L + 2 = N$$

$$S + 2 = U$$

Similarly;

Code for the word FOREST:

$$F + 2 = H$$

$$O - 2 = M$$

$$R + 2 = T$$

$$E - 2 = C$$

$$S + 2 = U$$



$$T + 2 = V$$

Hence, **option 1** is the correct answer.

**Question 45 :**

If the numbers '18' and '30' are interchanged, then which of the following equations can be correctly balanced?

**Difficulty : Moderate**

**Average Time : 57 Seconds**

**Options :**

1.  $35 \div 5 \times 5 + 30 - 18 = 23$
2.  $14 \times 5 - 18 \div 6 + 30 = 73$
3.  $12 - 30 \times 18 \div 3 + 16 = 174$
4.  $64 + 18 \times 5 \div 3 - 30 = 98$

**Solution :**

The correct answer is **option 1** i.e.  $35 \div 5 \times 5 + 30 - 18 = 23$ .

**Given conditions:** 18 and 30 are interchanged

**Option 1:**  $35 \div 5 \times 5 + 30 - 18 = 23$

After replacing the expression becomes:

$$\begin{aligned} &= 35 \div 5 \times 5 + 18 - 30 \\ &= 7 \times 5 + 18 - 30 \\ &= 35 + 18 - 30 \\ &= 53 - 30 \\ &= 23 \end{aligned}$$

Hence, **option 1** is the correct answer.

**Question 46 :**

Four letter clusters have been given out of which three are alike in some manner and one is different. Select the letter cluster that is different.

**Difficulty : Moderate**

**Average Time : 52 Seconds**

**Options :**

FCXB

2. KHSP

3. MJQN

4. WTGD

### Solution :

The correct answer is **option 1** i.e. **FCXB**.

The logic used here is:

1st letter - 3 = 2nd letter

Opposite of 2nd letter = 3rd letter

3rd letter - 3 = 4th letter

### Option 1: FCXB

F - 3 = C

Opposite of C = X

X - 3 = U

This does not follow the logic.

Hence, **option 1** is the odd one out.

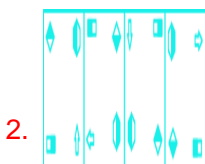
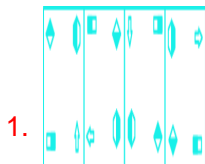
### Question 47 :

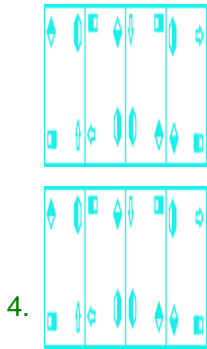
Select the figure from among the given options that can replace the question mark (?) in the following series.

Difficulty : Moderate

Average Time : 51 Seconds

### Options :



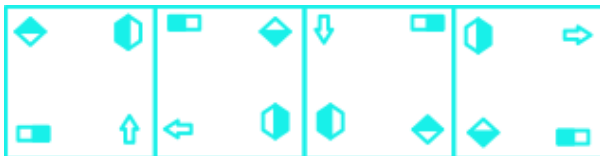


**Solution :**

The correct answer is **option 4**

All the shapes are moving at the corners of the square in a clockwise direction.

The arrow is moving 90 degrees anti-clockwise in each step as well.



Hence, the correct answer is **option 4**.

**Question 48 :**

Select the option in which the two numbers are related in the same way as the two numbers of the following number-pair.

24: 648

**Difficulty : Moderate**

**Average Time : 71 Seconds**

**Options :**

1. 26: 654
2. 25: 652
3. 20: 421
4. 22: 550

**Solution :**

The correct answer is **option 4** i.e. **22: 550**.

The logic used here is:

24: 648



$$(24 + 1)^2 + 24 - 1 = 625 + 24 - 1 = 648$$

Similarly,

$$22: 550$$

$$(22 + 1)^2 + 22 - 1 = 529 + 22 - 1 = 550$$

Hence, **option 4** is the correct answer.

**Question 49 :**

Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Disaster 2. Disappointment 3. Discharge 4. Disappear 5. Disadvantage 6. Disarticulate

Difficulty : Moderate

Average Time : 44 Seconds

**Options :**

1. 5, 4, 2, 1, 6, 3

2. 5, 2, 4, 6, 1, 3

3. 5, 2, 4, 1, 6, 3

4. 5, 4, 2, 6, 1, 3

**Solution :**

The correct answer is **option 4** i.e. **5, 4, 2, 6, 1, 3**.

In this question, you need to arrange the words as they would appear in the English dictionary.

So the arrangement is;

1. Disadvantage
2. Disappear
3. Disappointment
4. Disarticulate
5. Disaster
6. Discharge

**Question 50 :**

Kelucharan Mohapatra was an exponent of which of the following categories of dance?



Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Kuchipudi
2. Manipuri
3. Bharatanatyam
4. Odissi

Solution :

The correct answer is **option 4** i.e. **Odissi**.

- Kelucharan Mohapatra was a legendary Indian classical dancer, guru, and exponent of **Odissi** dance, who is credited with the revival and popularizing of this classical dance form in the 20th century. He is the first person to receive the Padma Vibhushan from Odisha.
- The famous dance form of Odisha is Chhau, Gotipua, Danda Nata, Sambapuri, Dalkhai, Chaitighoda, and Medha Nacha.
- Bharatnatyam is the dance of Tamil Nadu.
- Kuchipudi is the dance of Andhra Pradesh.
- Manipuri is the dance of Manipur.

Question 51 :

In the 2020–21 season, each NBA team played \_\_\_\_\_ regular-season games. 8

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 68
2. 94
3. 86
4. 72

Solution :

The correct answer is **option 4** i.e. **72**

- In the 2020-21 season, each NBA team played **72** regular-season games.



It was the 75th season of the National Basketball Association (NBA). The season started just 72 days after the completion of the 2020 NBA Finals, the shortest off-season in league history. The 2021 NBA All-Star Game was played on March 7, at State Farm Arena in Atlanta, and was won by Team LeBron, 170-150.

### Question 52 :

Which of the following is the LEAST visible form of land erosion?

Difficulty : Moderate

Average Time : 47 Seconds

### Options :

1. Gully erosion
2. Landslides
3. Sheet erosion
4. Ravine formation

### Solution :

The correct answer is **option 3** i.e. **Sheet erosion**

- **Sheet erosion** is the least visible form of land erosion. It is less noticeable, as it does not leave obvious cuts in the soil surface as with gully erosion. It is the removal of a relatively uniform, although thin, layer of soil from the land surface by unchanneled runoff, or sheet flow.
- **Sheet erosion** takes place on level lands after a heavy shower and the soil removal is not easily noticeable. But it is harmful since it removes the finer and more fertile top soil.

### Question 53 :

Si-yu-ki or 'The Records of the Western World' was written by:

Difficulty : Moderate

Average Time : 58 Seconds

### Options :

1. Marco Polo
2. Fa-Hien
3. Hiuen Tsiang
4. Abdur Razzak

### Solution :

The correct answer is **option 3** i.e. **Hiuen Tsiang**





- Si-yu-ki or 'The Records of the Western World' was written by **Hiuen Tsiang**.
- **Hiuen Tsang** or **Xuanzang** was a chinese buddhist monk who travelled over land from China to India during the reign of King Harsha Vardhan to obtain Buddhist scriptures.

**Question 54 :**

The branch of horticulture which deals with the production, storage, processing and marketing of vegetables is called \_\_\_\_\_.

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. olericulture
2. agronomy
3. pomology
4. apiculture

**Solution :**

The correct answer is **option 1** i.e. **olericulture**

- The branch of horticulture which deals with the production, storage, processing and marketing of vegetables is called **olericulture**.
- It encompasses crop establishment, including cultivar selection, seedbed preparation and establishment of vegetable crops by seed and transplants.
- It also includes maintenance and care of vegetable crops as well commercial and non-traditional vegetable crop production including organic gardening and organic farming; sustainable agriculture and horticulture; hydroponics; and biotechnology.

**Question 55 :**

Which of the following is a carnivorous plant?

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. Clarkia
2. Drosera
3. Alyssum

### Hollyhock

**Solution :**

The correct answer is **option 2** i.e. **Drosera**

- **Drosera**, which is commonly known as the **sundews**, is one of the largest genera of carnivorous plants, with at least 194 species.
- These members of the family Droseraceae lure, capture, and digest insects using stalked mucilaginous glands covering their leaf surfaces. The insects are used to supplement the poor mineral nutrition of the soil in which the plants grow. Various species, which vary greatly in size and form, are native to every continent except Antarctica.

**Question 56 :**

\_\_\_\_\_ is a disorder resulting in abnormal electrical discharges from the brain cells causing seizures.

Difficulty : Moderate

Average Time : 54 Seconds

**Options :**

1. Hypoglycaemia
2. Prostatitis
3. Rheumatoid arthritis
4. Epilepsy

**Solution :**

The correct answer is **option 4** i.e. **Epilepsy**

- **Epilepsy** is a disorder resulting in abnormal electrical discharges from the brain cells causing seizures.
- Anyone can develop epilepsy. It affects both males and females of all races, ethnic backgrounds and ages.
- Seizure symptoms can vary widely. Some people with epilepsy simply stare blankly for a few seconds during a seizure, while others repeatedly twitch their arms or legs. At least two seizures without a known trigger (unprovoked seizures) that happen at least 24 hours apart are generally required for an epilepsy diagnosis.
- Treatment with medications or sometimes surgery can control seizures for the majority of people with epilepsy. Some people require lifelong treatment to control seizures, but for others, the seizures eventually go away. Some children with epilepsy may outgrow the condition with age.

**Question 57 :**

Who among the following was a contributor to the subject of medicine in ancient India?

Difficulty : Moderate

Average Time : 68 Seconds



## Options :

1. Bhasa
2. Charaka
3. Panini
4. Harsha

## Solution :

The correct answer is **option 2** i.e. **Charaka**

- **Charaka** was a contributor to the subject of medicine in ancient India. He is known as an editor of the medical treatise entitled Charaka Samhita, one of the basic books of traditional Indian medicine and Ayurveda, which is contained in the Brhat-Trayi.

## Question 58 :

Bacille Calmette-Guérin (BCG) is a vaccine for \_\_\_\_\_.

Difficulty : Moderate

Average Time : 44 Seconds

## Options :

1. typhoid
2. tuberculosis (TB)
3. mumps
4. plague

## Solution :

The correct answer is **option 2** i.e. **tuberculosis (TB)**

- Bacille Calmette-Guérin (BCG) is a vaccine for **tuberculosis (TB)**.
- BCG vaccine is a live vaccine that gives some protection against TB.
- The BCG vaccine does not prevent a person from becoming infected if exposed to TB bacteria (germs), but, it makes it much more likely that a person will get a mild localised infection rather than an overwhelming life-threatening illness.
- It can take between 6-12 weeks for the BCG vaccine to produce its immune effect (protection). BCG vaccination may only give 50-60% immunity against tuberculosis and in some individuals the vaccine loses its effectiveness over time, sometimes within 5-15 years.
- In children BCG vaccine may prevent them from developing severe forms of TB disease, such as TB in the brain (TB meningitis). The benefit to adults is less clear.



## Question 59 :

The Regional Rural Banks were established on the recommendations of the \_\_\_\_\_ on Rural Credit.

Difficulty : Moderate

Average Time : 73 Seconds

### Options :

1. Rekhi Committee
2. Narsimha Committee
3. Kelkar Committee
4. Tandon Committee

### Solution :

The correct answer is **option 2** i.e. **Narsimha Committee**

- The Regional Rural Banks were established on the recommendations of the **Narsimha Committee** on Rural Credit on 2 October 1975 during the tenure of Indira Gandhi's government. The purpose was to include rural areas into the economic mainstream since around 70% of the Indian population was rural.

## Question 60 :

Who among the following is the author of the book 'Unaccustomed Earth'?

Difficulty : Moderate

Average Time : 47 Seconds

### Options :

1. Shobha De
2. Arundhati Roy
3. Anita Nair
4. Jhumpa Lahiri

### Solution :

The correct answer is **option 4** i.e. **Jhumpa Lahiri**

- **Jhumpa Lahiri** is the author of the book 'Unaccustomed Earth'. It is a collection of short stories.
- 'Unaccustomed Earth' considers the lives of Indian American characters and how they deal with their mixed cultural environment.

## Question 61 :

In which discipline is the Bidhan Chandra Roy Award given?



Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Sports
2. Medicine
3. Architecture
4. Law

Solution :

The correct answer is **option 2** i.e. **Medicine**

- The Bidhan Chandra Roy Award is given in the field of **Medicine**.
- The Bidhan Chandra Roy Award was instituted in 1962 in memory of Dr. B. C. Roy by the Medical Council of India. It is presented by the President of India in New Delhi every year on July 1, National Doctors' Day. It is also the highest honour that can be achieved by a doctor in India.

Question 62 :

With reference to no-confidence motion, which of the following statements is INCORRECT?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. If it is passed in the Lok Sabha, the council of ministers must resign from office.
2. It should state the reasons for its adoption in the Lok Sabha.
3. It is moved for ascertaining the confidence of Lok Sabha in the council of ministers.
4. It can be moved against the entire council of ministers only.

Solution :

The correct answer is **option 2** i.e. **It should state the reasons for its adoption in the Lok Sabha**.

- With reference to the no-confidence motion, the statement **it should state the reasons for its adoption in the Lok Sabha is INCORRECT**.
- A no-confidence motion is a parliamentary motion which is moved in the Lok Sabha against the entire council of ministers, stating that they are no longer deemed fit to hold positions of responsibility due to their inadequacy in some respect or their failure to carry out their obligations. No prior reason needs to be stated for its adoption in the Lok Sabha.

Question 63 :



The expected returns to farmers by way of MSP (Minimum Support Price) over their cost of production for barley for marketing season 2021–22 is estimated at \_\_\_\_\_.

**Difficulty : Moderate**

**Average Time : 75 Seconds**

**Options :**

1. 65%
2. 93%
3. 50%
4. 106%

**Solution :**

The correct answer is **option 1** i.e. **65%**

- The expected returns to farmers by way of MSP (Minimum Support Price) over their cost of production for barley for marketing season 2021–22 is estimated at **65%**.
- The increase in MSP for Rabi Crops for marketing season 2021-22 is in line with the principle of fixing the MSPs at a level of at least 1.5 times of the All-India weighted average Cost of Production as announced in Union Budget 2018-19. The expected returns to farmers over their cost of production are estimated to be highest in case of Wheat (106%) followed by rapeseed and mustard (93%), gram and lentil (78%). For barley, return to farmers over their cost of production is estimated at **65%** and for safflower, it is 50%.
- Presently MSP is fixed for 22 agricultural crops.

**Question 64 :**

Who among the following is the author of the book 'Unfinished : A Memoir'?

**Difficulty : Moderate**

**Average Time : 67 Seconds**

**Options :**

1. Alia Bhatt
2. Priyanka Chopra Jonas
3. Deepika Padukone
4. Katrina Kaif

**Solution :**

The correct answer is **option 2** i.e. **Priyanka Chopra Jonas**



**Priyanka Chopra Jonas** is the author of the book 'Unfinished : A Memoir' which she described as "honest, raw and vulnerable". The end result is a book, published by the Michael Joseph imprint, which covers her dual-continent 20-year-long career as an actor and producer and her work as a Unicef Goodwill Ambassador.

**Question 65 :**

An amendment to the Right to Information Act 2005 proposing that the Chief Information Commissioner and Information Commissioners be appointed 'for such term as may be prescribed by the Central Government' was passed in the year \_\_\_\_\_.

Difficulty : Moderate

Average Time : 56 Seconds

**Options :**

1. 2016
2. 2019
3. 2017
4. 2014

**Solution :**

The correct answer is **option 2** i.e. **2019**

- An amendment to the Right to Information Act 2005 proposing that the Chief Information Commissioner and Information Commissioners be appointed 'for such term as may be prescribed by the Central Government' was passed in the year **2019**.
- The bill amended the Right to Information Act, 2005 so as to provide that the term of office of, and the salaries, allowances and other terms and conditions of service of, the Chief Information Commissioner and Information Commissioners and the State Chief Information Commissioner and the State Information Commissioners, shall be such as may be prescribed by the Central Government.

**Question 66 :**

According to the Census of 2011, which of the following states has the highest density of population per km<sup>2</sup>?

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Jharkhand
2. Goa
3. Gujarat

**Maharashtra****Solution :**

The correct answer is **option 1** i.e. **Jharkhand**

- According to the Census of 2011, **Jharkhand** has the highest density of population per km<sup>2</sup>.
- The population density of **Jharkhand** is 414 per sq km as per the 2011 Census which is comparatively higher than national average, which is 382 per sq km.

**Question 67 :**

Study the given pie chart and answer the questions that follows. The pie chart shows the breakup of the total number of employees of a company working in different offices (A to E), in degrees. The total number of employees = 3600. If the percentage of male employees in office C is 20% and that of female employees in office D is 40%, then what is the ratio of the number of female employees in office D to that of female employees in office C?

**Difficulty : Moderate****Average Time : 62 Seconds****Options :**

1. 2 : 3
2. 3 : 8
3. 3 : 2
4. 5 : 6

**Solution :**

The correct answer is **option 4** i.e. **5 : 6**

Total employees in office C =  $\frac{54}{360} \times 3600 = 540$

Male employees in office C = 20% of 540 = 108

Female employees in office D = 540 - 108 = 432

Total employees in office D =  $\frac{90}{360} \times 3600 = 900$

Female employees in office D = 40% of 900 = 360

Ratio = 360 : 432 = 5 : 6

**Question 68 :**





A fruit vendor recovers the cost of 95 oranges by selling 80 oranges. What is his profit percentage?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 18.75%
2. 20.75%
3. 21.25%
4. 24.25%

Solution :

The correct answer is **option 1** i.e. **18.75%**

According to the question,

CP of 95 oranges = SP of 80 oranges

$$CP/SP = 80/95$$

$$CP/SP = 16/19$$

So, ratio of CP : SP = 16 : 19

So, profit = 19 - 16 = 3

Profit% =  $(3/16) \times 100 = 18.75\%$

**Question 69 :**

A reduction of 20% in the price of bananas enables a customer to buy 6 more bananas for Rs 80. What is the reduced price of bananas per dozen (in Rs)?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 36
2. 35
3. 32
4. 40

Solution :



The correct answer is **option 3** i.e. **32**

**Explanation:**

Let the C.P. of each banana is  $x$

Total number of bananas in Rs. 80 =  $\frac{80}{x}$

New price =  $\frac{80x}{100} = \frac{4x}{5}$

New number of bananas in Rs. 80 =  $\frac{80}{\frac{4x}{5}}$

$\frac{100}{x}$

$\left(\frac{100}{x}\right) - \left(\frac{80}{x}\right) = 6$

$\frac{20}{x} = 6$

$x = \frac{20}{6}$

New price of bananas =  $\frac{20}{6} \times \frac{4}{5} = \frac{8}{3}$

Hence the reduced price of bananas per dozen =  $\frac{8}{3} \times 12 = 32$

**Question 70 :**

In March 2021, cricketer Kieron Pollard hit six sixes in an over in a match against \_\_\_\_\_.

**Difficulty : Moderate**

**Average Time : 64 Seconds**

**Options :**

1. West Indies
2. Australia
3. Sri Lanka
4. New Zealand

**Solution :**

The correct answer is **option 3** i.e. **Sri Lanka**

- In March 2021, cricketer Kieron Pollard hit six sixes in an over in a match against **Sri Lanka's** Akila Dananjaya in the sixth over of West Indies' successful chase during the first T20I of the three-match series at Coolidge Cricket Ground in Antigua.
- With this record, Pollard joined the likes of South Africa's Herschelle Gibbs (2007 World Cup against Netherlands) and India's Yuvraj Singh (2007 T20 World Cup against England) in the elusive list.



## Question 71 :

The festival of Durga Puja is observed to celebrate the triumph of Goddess Durga over \_\_\_\_\_.

Difficulty : Moderate

Average Time : 57 Seconds

### Options :

1. Mahishasura
2. Hiranyakashipu
3. Ravana
4. Jarasandha

### Solution :

The correct answer is **option 1** i.e. **Mahishasura**

- The festival of Durga Puja is observed to celebrate the triumph of Goddess Durga over the demon king **Mahishasura**.
- It is celebrated all over the world by the Hindu Bengali community but it is particularly popular and traditionally celebrated in the Indian states of West Bengal, Bihar, Assam, Tripura, Odisha, Jharkhand, Uttar Pradesh (eastern parts) and the country of Bangladesh.
- The festival is observed in the Indian calendar month of Ashwin, which corresponds to September-October. It is a ten-day festival, of which the last five are of the most significance.

## Question 72 :

Which of the following Sustainable Development Goals ensures availability and sustainable management of water and sanitation for all?

Difficulty : Moderate

Average Time : 59 Seconds

### Options :

1. SDG 4
2. SDG 7
3. SDG 6
4. SDG 5

### Solution :

The correct answer is **option 3** i.e. **SDG 6**

- **Sustainable Development Goal 6** goes beyond drinking water, sanitation and hygiene to also address the quality



and sustainability of water resources, which are critical to the survival of people and the planet.

- The goal has eight targets to be achieved by 2030.

**Question 73 :**

The Mughal court chronicles are written in \_\_\_\_\_.

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Persian
2. Turkish
3. Urdu
4. Arabic

**Solution :**

The correct answer is **option 1** i.e. **Persian**

- Mughal official histories such as the Akbar Nama were written in **Persian** others like Babur's memoirs were translated from the Turkish into the Persian Babur Nama.

**Question 74 :**

Which of the following states was allocated the highest budget for highway projects in Union Budget 2021-22?

Difficulty : Moderate

Average Time : 41 Seconds

**Options :**

1. West Bengal
2. Assam
3. Tamil Nadu
4. Kerala

**Solution :**

The correct answer is **option 3** i.e. **Tamil Nadu**

- **Tamil Nadu** was allocated the highest budget for highway projects in Union Budget 2021-22.
- Highway works of 3,500 km for Rs 1.03 trillion will be undertaken in **Tamil Nadu**, 1,100 km for Rs 65,000 crore in Kerala, 675 km for Rs 25,000 crore in West Bengal, and Rs 34,000 crore worth of projects in Assam in the next three years.

**Question 75 :**

The salary and allowances of leaders of opposition in parliament are governed by the Act passed for the first time by the parliament in the year \_\_\_\_\_

**Difficulty : Moderate****Average Time : 52 Seconds****Options :**

1. 1982
2. 1977
3. 1979
4. 1972

**Solution :**

the correct answer is **option 2** i.e. **1977**

- The salary and allowances of leaders of opposition in parliament are governed by the Act passed for the first time by the parliament in the year **1977**.
- In this Act, "Leader of the Opposition", in relation to either House of Parliament, means that member of the Council of States or the House of the People, as the case may be, who is, for the time being, the Leader in that House of the party in opposition to the Government having the greatest numerical strength and recognised as such by the Chairman of the Council of States or the Speaker of the House of the People.

**Question 76 :**

The rate of doing work is called:

**Difficulty : Moderate****Average Time : 60 Seconds****Options :**

1. impulse
2. energy
3. force
4. power

**Solution :**

The correct answer is **option 4** i.e. **power**

- The rate of doing work is called **power**.

It is denoted by P,

$$\text{Power (P)} = \text{Work/Time}$$

- A person's power is always based on the amount of work they put in; thus, if they work differently at different times, their power will likewise vary.
- Watt (W), or joules per second (J/s), is the SI unit of **power**.

### Question 77 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. Get up from your place / slow and / turn around!

Difficulty : Moderate

Average Time : 64 Seconds

### Options :

1. turn around
2. slow and
3. No error
4. Get up from your place

### Solution :

The correct answer is **option 2** i.e. **slow and**

- The error lies in the **second part** of the given sentence.
- The given sentence needs an '**adverb**' to modify the **noun**, but in the given sentence it is modifying an adjective.
- Therefore instead of slowly, slow should be used.

### The correct sentence is:

*Get up from your place slowly and turn around!*

### Question 78 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Holiday homework / are essential to keeping / students busy / during the vacation.

Difficulty : Moderate

Average Time : 58 Seconds

### Options :



are essential to keeping

2. students busy
3. Holiday homework
4. during the vacation

### Solution :

The correct answer is **option 1** i.e. **are essential to keeping**.

- The error lies in part 2 of the sentence.
- We know that after 'to' the infinitive base form of the verb is used.
- Now since in the given sentence, a holiday is in its singular form, therefore, the singular verb used is to be used.
- Thus, 'is; will be replaced by 'are.'

### Thus, the correct sentence"

*Holiday homework is essential to keeping students busy **during** the vacation.*

### Question 79 :

Select the most appropriate antonym of the given. Admirable

Difficulty : Moderate

Average Time : 58 Seconds

### Options :

1. Unworthy
2. Appreciable
3. Commendable
4. Lucky

### Solution :

The correct answer is **option 1** i.e. **unworthy**.

### The meaning of the given words is:

- **Admirable:** arousing or deserving respect and approval.
- **Unworthy:** not deserving respect or attention.
- **Appreciable:** large or important enough to be noticed.
- **Commendable:** deserving praise.
- **Lucky:** having, bringing, or resulting from good luck.



The most appropriate antonym of the given word is '**unworthy**'.

**Question 80 :**

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. Adventure
2. Benefit
3. Pathatic
4. Acquire

**Solution :**

The correct answer is **option 3** i.e. **Pathatic**.

The meaning and correct spelling of the given words is:

- **Adventure:** an unusual and exciting or daring experience.
- **Benefit:** an advantage or profit gained from something.
- **Pathetic:** miserably inadequate; of very low standard.
- **Acquire:** buy or obtain (an asset or object) for oneself.

**Question 81 :**

Select the most appropriate option to fill in the blank. So dangerous did the weather conditions \_\_\_\_\_ that all mountain roads were closed.

Difficulty : Moderate

Average Time : 53 Seconds

**Options :**

1. becomes
2. became
3. become
4. have become

**Solution :**





The correct answer is **option 3** i.e. **become**.

- Did is always followed by the base form of the verb.
- The same will be followed in the case of this question.
- Become is in its base form.

Thus, the most appropriate filler is 'become.'

**The correct sentence is:**

*So dangerous did the weather conditions **become** that all mountain roads were closed.*

**Question 82 :**

Select the most appropriate meaning of the underlined idiom in the given sentence. It was a lavish birthday party and I could see my friend eat like a horse.

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. eating what horses eat
2. hardly eating
3. eating excessively
4. eating differently

**Solution :**

The correct answer is **option 3** i.e. **eating excessively**.

- The meaning of the given idiom is '**eating excessively**.'

Thus, option 3 is the most appropriate meaning of the given idiom.

**Question 83 :**

Select the most appropriate synonym of the given word. Triumphant

**Difficulty : Moderate**

**Average Time : 41 Seconds**

**Options :**

1. Fortunate



Pompous

3. Victorious

4. Affluent

**Solution :**

The correct answer is **option 3** i.e. **Victorious**

- **Triumphant:** having won a battle or contest; victorious.
- **Fortunate:** favored by or involving good luck; lucky.
- **Pompous:** affectedly grand, solemn, or self-important.
- **Victorious:** having won a victory; triumphant.
- **Affluent:** having a great deal of money; wealthy.

The most appropriate synonym for the given word is **Victorious**.

**Question 84 :**

Select the option that expresses the given sentence in indirect speech. She said to me, "I saw this old man long ago."

Difficulty : Moderate

Average Time : 54 Seconds

**Options :**

1. She told me that she had seen that old man long before.
2. She told to me that she had seen that old man long before.
3. She said to me that she had seen that old man long ago.
4. She said me that she had seen this old man long ago.

**Solution :**

The correct answer is **option 1** i.e. **She told me that she had seen that old man long before.**

- The given sentence is in **Direct Speech**.
- Reporting verb of the given sentence has an object.
- **'Said to'** will be converted into **'told'**.
- **Commas and inverted commas** will be replaced with **'that'**.
- **First-person pronouns** are changed as per the **reporting verb**, so **'I'** will be changed into **'she'**.
- **Simple past tense** will change into **past perfect tense** i.e., **V2** will be changed into **'had + V3'**.

The correct form of indirect speech is:

*She told me that she had seen that old man long before.*

**Question 85 :**

Select the option that expresses the given sentence in active voice. The coloured clothes should not be washed with whites.

Difficulty : Moderate

Average Time : 84 Seconds

**Options :**

1. Do not washed the coloured clothes with whites.
2. You should not wash the coloured clothes with whites.
3. Do not be washing the coloured clothes with whites.
4. You should not have washed the coloured clothes with whites.

**Solution :**

The correct answer is **option 2** i.e. **You should not wash the coloured clothes with whites.**

The given sentence is in **Passive Voice**.

Since the modal verb has been in the passive voice, therefore, the active voice will follow the given sentence:

- **Passive voice:** modal verb (should) + be +V3.
- **Active voice:** modal verb (should) + V1.
  - 'should not be washed ' will be changed into 'should not wash.'

**The correct form of Active voice:**

*You should not wash the coloured clothes with whites.*

**Question 86 :**

Select the option that can be used as a one-word substitute for the given group of words. A room or large cupboard for storing food

Difficulty : Moderate

Average Time : 72 Seconds

**Options :**

1. Larder
2. Bakery



Almirah

4. Wardrobe

**Solution :**

The correct answer is **option 1** i.e. **Larder**

**The meaning of the given words is:**

- **Larder:** a room or large cupboard for storing food.
- **Bakery:** a place where bread, cakes, and pastries are made or sold.
- **Almirah:** a wardrobe, cabinet, or cupboard.
- **Wardrobe:** cabinet, or cupboard

*The most appropriate one-word substitution is **Larder**.*

**Question 87 :**

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. Handicrafts are / export from India / to several / European countries.

**Difficulty : Moderate**

**Average Time : 58 Seconds**

**Options :**

1. to several
2. European countries
3. Handicrafts are
4. export from India

**Solution :**

The correct answer is **option 4** i.e. **export from India**

- Always remember that with **is/am/are**, **3rd form of the verb** is used in a passive sentence.
- So, '**exported from India**' should be used instead of '**export from India**.'

**Thus, the correct sentence is:**

*Handicrafts are **exported** from India to several European countries.*

**Question 88 :**

Select the option that expresses the given sentence in active voice. The booking will have been closed when you reach the theatre.

**Difficulty : Moderate****Average Time : 55 Seconds****Options :**

1. They would have closed the booking when you reach the theatre.
2. They had closed the booking when you reached the theatre.
3. They will have closed the booking when you reach the theatre.
4. They will close the booking when you reach the theatre.

**Solution :**

The correct answer is **option 3** i.e. **They will have closed the booking when you reach the theatre.**

The given sentence is in **Passive Voice**.

Since the modal verb has been in the passive voice, therefore, the active voice will follow the given sentence:

- **Passive voice:** modal verb (will) + have + been + V3.
- **Active voice:** modal verb (will) + have + V3.
  - 'will have been closed' will be changed into 'will have closed.'
  - The subject of the given sentence is 'The booking'.
  - The object of the given sentence is 'they (hidden)'.
  - Both the subject and object will swap places.

**The correct form of Active voice:**

*They will have closed the booking when you reach the theatre.*

**Question 89 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. Would you have been so kind as to close the window?

**Difficulty : Moderate****Average Time : 86 Seconds****Options :**

1. No substitution required



Would you being

3. Would you be

4. Will you been

### Solution :

The correct answer is **option 3** i.e. **Would you be.**

- 'Would you have been' should be used replaced by 'Would you be.'
- We generally use the **modal verb 'would'** when we want to **politely request someone** for something.
- Someone is **asking politely to close** the window.

### The correct sentence:

Would you be so kind as to close the window?

### Question 90 :

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. There are a bit nice shops in the town center.

Difficulty : Moderate

Average Time : 59 Seconds

### Options :

1. a bit nicer
2. far more nicer
3. far nicer
4. No improvement required

### Solution :

The correct answer is **option 3** i.e. **far nicer**

- "a bit nice" should be used instead of "far nicer".
- Article 'a' before should be used before **shops (plural)** and we cannot write '**more**' with a comparative degree of 'nicer.'

### The correct sentence is:

There are far nicer shops in the town center.

### Question 91 :

Select the most appropriate synonym of the given word. Bare



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Holy
2. Basic
3. Earthly
4. Hidden

Solution :

The correct answer is **option 2** i.e. **Basic**.

The meaning of the given words is:

- **Bare:** (of a person or part of the body) not clothed or covered.
- **Holy:** dedicated or consecrated to God or a religious purpose; sacred.
- **Basic:** forming an essential foundation or starting point; fundamental.
- **Earthly:** relating to the earth or human life.
- **Hidden:** kept out of sight; concealed.

The most appropriate synonym of the given words is **Basic**.

Question 92 :

Arrange the statements in the correct order to make a meaningful paragraph. A. Impressed with Jane's patience with animals, he chose her for the mission to understand chimpanzees. B. In 1957, she went to Kenya where she met the British paleoanthropologist, Louis Leakey. C. As a child she would wait for hours to observe a chicken laying an egg. D. Jane Goodall grew up in the English town of Bournemouth.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. DBAC
2. DCBA
3. ABCD
4. CDBA

Solution :

The correct answer is **option 2** i.e. **DCBA**.

- **Sentence D** is an introductory sentence that tells us about 'Jane Goodall' who grew up in Bournemouth.
- **Sentence C** further tells us about 'Jane Goodall'. It tells us how she was a child.
- **Sentence B** will be the next sentence because it is connected to the previous sentence.
- **Sentence A** is the concluding statement.

**The correct sentence:**

*Jane Goodall grew up in the English town of Bournemouth. As a child, she would wait for hours to observe a chicken laying an egg. In 1957, she went to Kenya where she met the British paleoanthropologist, Louis Leakey. Impressed with Jane's patience with animals, he chose her for the mission to understand chimpanzees.*

**Question 93 :**

Select the most appropriate ANTONYM of the given word. Primary

**Difficulty : Moderate**

**Average Time : 69 Seconds**

**Options :**

1. Secondary
2. Effective
3. Applicable
4. Active

**Solution :**

The correct answer is **option 1** i.e. **Secondary**

- **Primary**- of chief importance
- **Secondary**- less important than
- **Effective**- successful in producing a desired or intended result
- **Applicable**- relevant or appropriate
- **Active**- engaging or ready to engage in physically energetic pursuits

Thus, the most appropriate antonym for the given word is '**Secondary**'.

**Comprehension :**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. One day, a few hunters came into the forest and took the lion with them. They tied him up (1) \_\_\_\_\_ a tree. The lion was (2) \_\_\_\_\_ to get away and started to whimper. (3) \_\_\_\_\_, a mouse walked past and noticed the lion in trouble. He quickly ran and (4) \_\_\_\_\_ on the ropes to set the lion free. Both of them then (5) \_\_\_\_\_ into the



jungle.

### Question 94 :

Select the most appropriate option to fill in blank number 1.

Difficulty : Moderate

Average Time : 73 Seconds

### Options :

1. over
2. along
3. against
4. above

### Solution :

The correct answer is **option 3** i.e. **against**

### The meaning of the given words is:

- **Over:** extending directly upwards from.
- **Along:** moving in a constant direction on (a road, path, or any more or less horizontal surface).
- **Against:** in opposition to.
- **Above:** at a higher level or layer than.

The most appropriate for the given blank is **against**.

### The correct sentence:

*They tied him up **against** a tree.*

### Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. One day, a few hunters came into the forest and took the lion with them. They tied him up (1) \_\_\_\_\_ a tree. The lion was (2) \_\_\_\_\_ to get away and started to whimper. (3) \_\_\_\_\_, a mouse walked past and noticed the lion in trouble. He quickly ran and (4) \_\_\_\_\_ on the ropes to set the lion free. Both of them then (5) \_\_\_\_\_ into the jungle.

### Question 95 :

Select the most appropriate option to fill in blank number 2.

Difficulty : Moderate

Average Time : 81 Seconds



### Options :

1. struggles
2. struggle
3. struggling
4. struggled

### Solution :

The correct answer is **option 3** i.e. **struggling**

- The given blank needs an adjective that describes the situation that the Lion was in.
- None of the options except for option 3 were adjectives.
- All the options were verbs except for option 3.

Thus, the most appropriate filler would be 'struggling'.

### The correct sentence is:

The lion was **struggling** to get away and started to whimper.

### Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. One day, a few hunters came into the forest and took the lion with them. They tied him up (1) \_\_\_\_\_ a tree. The lion was (2) \_\_\_\_\_ to get away and started to whimper. (3) \_\_\_\_\_, a mouse walked past and noticed the lion in trouble. He quickly ran and (4) \_\_\_\_\_ on the ropes to set the lion free. Both of them then (5) \_\_\_\_\_ into the jungle.

### Question 96 :

Select the most appropriate option to fill in blank number 3.

Difficulty : Moderate

Average Time : 75 Seconds

### Options :

1. Nevertheless
2. Although
3. Soon
4. But

### Solution :



The correct answer is **option 3** i.e. **Soon**

The meaning of the given words is:

- **Nevertheless:** in spite of that
- **Although:** in spite of the fact that; even though
- **Soon:** in or after a short time
- **But:** except; apart from; other than

The most appropriate filler for the given blank is '**soon**'.

The correct sentence is:

**Soon**, a mouse walked past and noticed the lion in trouble. He quickly ran and....

### Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. One day, a few hunters came into the forest and took the lion with them. They tied him up (1) \_\_\_\_\_ a tree. The lion was (2) \_\_\_\_\_ to get away and started to whimper. (3) \_\_\_\_\_, a mouse walked past and noticed the lion in trouble. He quickly ran and (4) \_\_\_\_\_ on the ropes to set the lion free. Both of them then (5) \_\_\_\_\_ into the jungle.

### Question 97 :

Select the most appropriate option to fill in blank number 4.

Difficulty : Moderate

Average Time : 82 Seconds

### Options :

1. **chews**
2. **gnawed**
3. **nibble**
4. **bitten**

### Solution :

the correct answer is **option 2** i.e. **gnawed**

The meaning of the given words is:

- **Chews:** bite and work food in the mouth with the teeth, especially to make it easier to swallow.



**Gnawed:** bite at or nibble something persistently.

- **Nibble:** take small bites out of.
- **Bitten:** Chewing

The most appropriate word for the given filler is **gnawed**.

**The correct sentence is:**

*He quickly ran and **gnawed** on the ropes to set the lion free.*

### Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. One day, a few hunters came into the forest and took the lion with them. They tied him up (1) \_\_\_\_\_ a tree. The lion was (2) \_\_\_\_\_ to get away and started to whimper. (3) \_\_\_\_\_, a mouse walked past and noticed the lion in trouble. He quickly ran and (4) \_\_\_\_\_ on the ropes to set the lion free. Both of them then (5) \_\_\_\_\_ into the jungle.

### Question 98 :

Select the most appropriate option to fill in blank number 5.

Difficulty : Moderate

Average Time : 86 Seconds

### Options :

1. speed away
2. sped off
3. speed up
4. speds out

### Solution :

The correct answer is **option 2** i.e. **sped off**

### The meaning of the given phrase is:

- **Speed away:** To leave or depart (from someone or something) very quickly, especially on or in some kind of vehicle.

**sped off:** To leave or depart very quickly or hastily, especially by driving.

- **speed up:** move or work more quickly.
- **speds out:** This is a wrong phrase

The most appropriate filler for the given blank would be **speed away**.

**The correct sentence is:**

*Both of them then **speed away** into the jungle.*

**Question 99 :**

AC is the diameter of a circle dividing the circle into two semicircles. ED is a chord in one semi circle, such that ED is parallel to AC. B is a point on the circumference of the circle in the other semicircle.  $\angle CBE = 75^\circ$ . What is the measure (in degrees) of  $\angle CED$ ?

**Difficulty :** Moderate

**Average Time :** 76 Seconds

**Options :**

1.  $15^\circ$
2.  $37^\circ$
3.  $68^\circ$
4.  $75^\circ$

**Solution :**

The correct answer is **option 1** i.e.  $15^\circ$

$\angle CBE = \angle CAE = 75^\circ$  ( Angles formed by endpoints of the chord in either major or minor segments are always equal)

$$\angle ECA = 180 - 90 = 75 = 15^\circ$$

Now,  $ED \parallel AC$

So,  $\angle ECA = \angle CED = 15^\circ$

**Question 100 :**

AB is a chord in the minor segment of a circle with center O. C is a point between A and B on the minor arc AB. The

tangents to the circle at A and B meet at point D. If  $\angle ACB = 116^\circ$ , then the measure of  $\angle ADB$  is:

Difficulty : Moderate

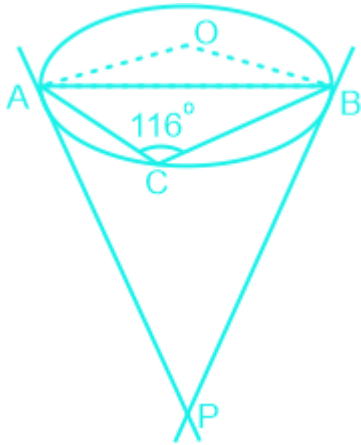
Average Time : 58 Seconds

Options :

1.  $64^\circ$
2.  $52^\circ$
3.  $56^\circ$
4.  $48^\circ$

Solution :

The correct answer is **option 2** i.e.  $52^\circ$



$$\text{External } \angle AOB = 2 \times \angle ACB$$

$$\text{External } \angle AOB = 232^\circ$$

$$\text{Thus, } \angle AOB = 360^\circ - 232^\circ = 128^\circ$$

$$\angle OAC = \angle OBC = 90^\circ$$

$$\text{In quadrilateral, } \angle AOB + \angle OAC + \angle OBC + \angle APB = 360^\circ$$

$$\angle APB = 360 - 90 - 90 - 128 = 360 - 308$$

$$\angle APB = 52^\circ$$

# Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-20 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from English Language, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning and 25 questions were asked from General Awareness
4. 16 questions should have been skipped if you were short of time.

## Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

### English Language

1. Vocab - 2
2. Cloze Test - 6
3. Spotting Error - 3
4. Parajumbles - 1
5. Idioms - 2
6. One Word Substitution - 2
7. Narration - 1
8. Voice - 2
9. Sentence Improvement - 3
10. Antonym - 1
11. Filler (Grammar) - 1
12. Incorrectly Spelt - 1
13. Incorrectly Spelt - 1

### Quantitative Aptitude

1. Comparison Of Quantities - 25

### Logical Reasoning

1. Coding Decoding - 3
2. Analogy - 2
3. Classification - 1

- Blood Relations - 1
- 5. Distance And Direction - 1
- 6. Syllogism - 1
- 7. Venn Diagrams - 1
- 8. Dictionary Based - 1
- 9. Figure Based - 3
- 10. Matrix - 1
- 11. Series - 3
- 12. Mathematical Reasoning - 2
- 13. Cubes And Dice - 1
- 14. Seating Arrangement And Puzzle - 4

## General Awareness

- 1. Art And Culture - 25

# Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Cgl Tier I Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.



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Daily Vocabulary  
Daily Editorial  
Latest Notifications  
Exam Dates  
Admit Card  
Exam Results  
Exam Cutoff  
Exam Eligibility  
Exam Pattern  
Answer Key  
Important Days



## Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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## About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.